

**NOTICE OF DRAFTSPERSON'S  
PATENT DRAWING REVIEW**

The drawing(s) filed (insert date 2/9/01) are:

- A.  approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
 B.  objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

<p>1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:                  Black ink. Color.                  ___ Color drawings are not acceptable until petition is granted.                  Fig(s) _____                  ___ Pencil and non black ink not permitted. Fig(s) _____</p> <p>2. PHOTOGRAPHS. 37 CFR 1.84(b)                  ___ 1 full-tone set is required. Fig(s) _____                  ___ Photographs may not be mounted. 37 CFR 1.84(e)                  ___ Poor quality (half-tone). Fig(s) _____</p> <p>3. TYPE OF PAPER. 37 CFR 1.84(e)                  ___ Paper not flexible, strong, white, and durable.                  Fig(s) _____                  ___ Erasures, alterations, overwritings, interlineations,                  folds, copy machine marks not accepted. Fig(s) _____                  ___ Mylar, velum paper is not acceptable (too thin).                  Fig(s) _____</p> <p>4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:                  ___ 21.0 cm by 29.7 cm (DIN size A4)                  ___ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)                  ___ All drawing sheets not the same size.                  Sheet(s) _____                  ___ Drawings sheets not an acceptable size. Fig(s) _____</p> <p>5. MARGINS. 37 CFR 1.84(g): Acceptable margins:                  Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm                  SIZE: A4 Size                  Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm                  SIZE: 8 1/2 x 11                  Margins not acceptable. Fig(s) <u>23</u>                  ___ Top (T) ___ Left (L)                  ___ Right (R) ___ Bottom (B)</p> <p>6. VIEWS. 37 CFR 1.84(h)                  REMINDER: Specification may require revision to correspond to drawing changes.                  Partial views. 37 CFR 1.84(h)(2)                  ___ Brackets needed to show figure as one entity.                  Fig(s) _____                  ___ Views not labeled separately or properly.                  Fig(s) _____                  ___ Enlarged view not labeled separately or properly.                  Fig(s) _____</p> <p>7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)                  ___ Hatching not indicated for sectional portions of an object.                  Fig(s) _____                  ___ Sectional designation should be noted with Arabic or                  Roman numbers. Fig(s) _____</p>	<p>8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)                  ___ Words do not appear on a horizontal, left-to-right fashion                  when page is either upright or turned so that the top                  becomes the right side, except for graphs. Fig(s) _____</p> <p>9. SCALE. 37 CFR 1.84(k)                  ___ Scale not large enough to show mechanism without                  crowding when drawing is reduced in size to two-thirds in                  reproduction.                  Fig(s) _____</p> <p>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS.                  37 CFR 1.84(j)                  ___ Lines, numbers &amp; letters not uniformly thick and well                  defined, clean, durable, and black (poor line quality).                  Fig(s) _____</p> <p>11. SHADING. 37 CFR 1.84(m)                  ___ Solid black areas pale. Fig(s) _____                  ___ Solid black shading not permitted. Fig(s) _____                  ___ Shade lines, pale, rough and blurred. Fig(s) _____</p> <p>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS.                  37 CFR 1.84(p)                  ___ Numbers and reference characters not plain and legible.                  Fig(s) <u>2-5, 4</u>                  ___ Figure legends are poor. Fig(s) _____                  ___ Numbers and reference characters not oriented in the                  same direction as the view. 37 CFR 1.84(p)(1)                  Fig(s) _____                  ___ English alphabet not used. 37 CFR 1.84(p)(2)                  Figs _____                  ___ Numbers, letters and reference characters must be at least                  32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)                  Fig(s) _____</p> <p>13. LEAD LINES. 37 CFR 1.84(q)                  ___ Lead lines cross each other. Fig(s) _____                  ___ Lead lines missing. Fig(s) _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i)                  ___ Sheets not numbered consecutively, and in Arabic numerals                  beginning with number 1. Sheet(s) _____</p> <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(u)                  ___ Views not numbered consecutively, and in Arabic numerals,                  beginning with number 1. Fig(s) _____</p> <p>16. CORRECTIONS. 37 CFR 1.84(w)                  ___ Corrections not made from prior PTO-948                  dated _____</p> <p>17. DESIGN DRAWINGS. 37 CFR 1.152                  ___ Surface shading shown not appropriate. Fig(s) _____                  ___ Solid black shading not used for color contrast.                  Fig(s) _____</p>
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COMMENTS - Delete foreign chars from fig 2-4

REVIEWER WJG DATE 1/12/04 TELEPHONE NO. \_\_\_\_\_  
 ATTACHMENT TO PAPER NO. \_\_\_\_\_

## REMINDER

Drawing changes may also require changes in the specification, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B, Fig. 1C, etc., the specification, at the Brief Description of the Drawing, must likewise be changed. Please make such changes by 37 CFR 1.312 Amendment at the time of submitting drawings.

### INFORMATION ON HOW TO EFFECT DRAWING CHANGES

#### 1. Correction of Drawings - 37 CFR 1.85

File new drawings with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Review Branch.

#### 2. Timing for Corrections

Applicant is required to submit **acceptable** corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37).

Failure to take corrective action within set period will result in **ABANDONMENT** of the Application.

#### 3. Corrections other than Defects Noted by the Drawing Review Branch on the Form PTO-948

All changes to the drawings, other than defects noted by the Drawing Review Branch, **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted other than correction of defects, unless the examiner has approved the proposed changes.